



CALIFORNIA BUILDING CODE (2006 IBC) PUBLIC PROPOSAL FORM

PLEASE SEE REVERSE FOR INSTRUCTIONS ON SUBMITTING PUBLIC PROPOSALS. PROPOSALS MUST COMPLY WITH THESE INSTRUCTIONS.

- 1) Indicate the format in which you would like to receive your Public Proposals Monograph (PPM), Report of the Hearing (ROH) and Final Action Agenda (FAA):

☒ Paper ☐ * CD ☐ *Download from ICC Website

(*Note: A paper copy will not be sent to you if you have chosen the CD or Download format.)

- 2) PLEASE TYPE OR PRINT CLEARLY: FORMS WILL BE RETURNED if they contain unreadable information.

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- 3) *Signature: _____ ☒ Signature on File (see over)

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- 4) Cost Impact: Indicate if this Proposal: ☐ will ☐ will not increase the cost of construction.

- 5) Indicate appropriate International Code(s) associated with this Public Proposal – Please use Acronym:

IBC

If you have also submitted a separate coordination change to another I-Code, please indicate the code: _____
(See back of this form for list of names and acronyms for the International Codes).

- 6) Revision to: ☐ Section _____ ☒ Table 601 Footnote b ☐ Figure _____

- 7) PROPOSAL Please check appropriate box:

☒ Revise as follows: ☐ Add new text as follows ☐ Delete and substitute as follows: ☐ Delete without Substitution(s):

Show the proposed NEW, REVISED or DELETED TEXT in legislative format: ~~Line through text to be deleted.~~ Underline text to be added.

Revise IBC Table 601 by deleting Footnote b where it appears within the table and also by deleting Footnote b which reads:

b. ~~Roof supports: Fire resistance ratings of structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.~~

☐ PROPOSAL Continued (Attach additional sheets as necessary)

- 8) SUPPORTING INFORMATION (State purpose and reason, and provide substantiation to support proposed change):

Presently, the 1997 *Uniform Building Code* (UBC) does not contain a similar provision to Footnote b to Table 601 of the *International Building Code* (IBC). The closest the UBC comes to this reduction is found in Section 508 which allows a one-hour reduction for the structural elements in buildings of Type II One-hour construction when such buildings are protected throughout with an approved automatic sprinkler system, when they are not required by any other provisions of the code. (Note: Type II One-hour construction in the UBC is equivalent to Type II A construction in the IBC.)

There is no technical supporting documentation to substantiate such a reduction in fire resistance for the structural elements supporting roofs in unsprinklered Type I construction buildings. We are especially concerned about the structural frame that ties the building together, and as such, is an integral structural unit under fire conditions. The basic requirement is that all portions of the entire structural frame need to have the same fire resistance rating in order for the building to maintain its overall structural integrity during a severe fire exposure. That is why there is a single line entry in Table 601 for

the structural frame. Reducing the fire resistance of portions of the structural frame that supports the roof of a building will weaken the overall fire performance of the building by subjecting it to the possibility of premature structural collapse.

It should be noted that such a reduction is presently permitted in the IBC without having to provide an automatic sprinkler system throughout the building. It should also be noted that Footnote d to IBC Table 601 provides the comparable one-hour reduction in the fire resistance ratings to that allowed by Section 508 of the UBC when automatic sprinklers are provided. So the trade-off is not lost with the deletion of Footnote b.



SUPPORTING INFORMATION *Continued* (Attach additional sheets as necessary)

C:\Documents and Settings\The Code Consortium\My Documents\CCWin9\MyFiles\WPDOCS\FORMS\CFSAC CBC 2006 Public Proposal Form Table 601 ftnote b 05.12-19.doc